

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	109	704/210.ccls.	US-PGPUB; USPAT	OR	OFF	2010/07/08 16:06
L2	1	704/210.ccls. and side \$4tone\$4	US-PGPUB; USPAT	OR	OFF	2010/07/08 16:06
L3	1	704/210.ccls. and side \$4tone\$4 and (threshold \$4 confiden\$6 toleran \$6)	US-PGPUB; USPAT	OR	OFF	2010/07/08 16:07
L4	0	side\$4ton\$4 with (voice \$4 speech\$4) with (un \$4voic\$4)	US-PGPUB; USPAT	OR	OFF	2010/07/08 16:09
S1	2460	(speech\$4 voic\$4) with activit\$5 with (detect\$5 identifi\$9)	US-PGPUB; USPAT	OR	OFF	2007/05/22 13:40
S2	623	(speech\$4 voic\$4) with activit\$5 with (detect\$5 identifi\$9) and averag\$4 with (nois\$4 energ\$5)	US-PGPUB; USPAT	OR	OFF	2007/05/22 13:41
S3	2	(speech\$4 voic\$4) with activit\$5 with (detect\$5 identifi\$9) and averag\$4 with (nois\$4 energ\$5) and side\$4tone\$4 near4 attenuat\$6	US-PGPUB; USPAT	OR	OFF	2007/05/22 15:54
S4	0	(speech\$4 voic\$4) with activit\$5 with (detect\$5 identifi\$9) and averag\$4 with (nois\$4 energ\$5) and side\$4tone\$4 near4 attenuat\$6 and amplitud \$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 13:46
S5	1	(speech\$4 voic\$4) with activit\$5 with (detect\$5 identifi\$9) and averag\$4 with (nois\$4 energ\$5) and side\$4tone\$4 near4 attenuat\$6 and transfer \$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 13:46

S6	0	(speech\$4 voic\$4) with activit\$5 with (detect\$5 identif\$9) and averag\$4 with (nois\$4 energ\$5) and side\$4tone\$4 near4 attenuat\$6 and transfer \$4 near4 function\$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 13:46
S7	1	(speech\$4 voic\$4) with activit\$5 with (detect\$5 identif\$9) and averag\$4 with (nois\$4 energ\$5) and side\$4tone\$4 near4 attenuat\$6 and attack \$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 13:50
S8	1	(speech\$4 voic\$4) with activit\$5 with (detect\$5 identif\$9) and averag\$4 with (nois\$4 energ\$5) and side\$4tone\$4 near4 attenuat\$6 and attack \$4 and threshold\$5	US- PGPUB; USPAT	OR	OFF	2007/05/22 13:56
S9	0	(speech\$4 voic\$4) with activit\$5 with (detect\$5 identif\$9) and averag\$4 with (nois\$4 energ\$5) and side\$4tone\$4 near4 attenuat\$6 and attack \$4 and threshold\$5 and increas\$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 13:57
S10	0	(speech\$4 voic\$4) with activit\$5 with (detect\$5 identif\$9) and averag\$4 with (nois\$4 energ\$5) and side\$4tone\$4 near4 attenuat\$6 and attack \$4 and threshold\$5 and vector\$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 13:57
S11	0	(speech\$4 voic\$4) with activit\$5 with (detect\$5 identif\$9) and averag\$4 with (nois\$4 energ\$5) and side\$4tone\$4 near4 attenuat\$6 and attack \$4 and threshold\$5 and gain\$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 13:57
S12	0	"6850617".pn. and (estim\$6 actual\$4 expect\$9)	US- PGPUB; USPAT	OR	OFF	2007/05/22 15:53

S13	804	averag\$4 near5 nois\$6 with amplitud\$5	US- PGPUB; USPAT	OR	OFF	2007/05/22 15:55
S14	0	averag\$4 near5 nois\$6 with amplitud\$5 and side\$3ton\$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 15:55
S15	787	side\$3ton\$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 15:56
S16	39	side\$3ton\$4 and averag \$4 near5 nois\$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 16:17
S17	4	side\$3ton\$4 and averag \$4 near5 nois\$4 and (VAD\$4 or (voic\$4 with activit\$5))	US- PGPUB; USPAT	OR	OFF	2007/05/22 16:00
S18	1	"6850617".pn. and averag\$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 16:01
S19	1	"6850617".pn. and (threshold\$4 toleran\$6)	US- PGPUB; USPAT	OR	OFF	2007/05/22 16:02
S20	0	"6850617".pn. and integrat\$6	US- PGPUB; USPAT	OR	OFF	2007/05/22 16:03
S21	0	"6850617".pn. and ambien\$6	US- PGPUB; USPAT	OR	OFF	2007/05/22 16:04
S22	0	"6850617".pn. and transfer\$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 16:04
S23	1	"6850617".pn. and function\$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 16:04
S24	0	"6850617".pn. and releas\$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 16:04
S25	1	"6850617".pn. and constrain\$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 16:05
S26	1	"6850617".pn. and linear \$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 16:09
S27	0	"6850617".pn. and mask \$4	US- PGPUB; USPAT	OR	OFF	2007/05/22 16:10

S28	1	"6850617".pn. and frequenc\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:11
S29	0	"6850617".pn. and frequenc\$4 and sub\$4band\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:11
S30	1	"6850617".pn. and frequenc\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:13
S31	0	"6850617".pn. and gain\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:13
S32	1	"6850617".pn. and reduc\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:15
S33	0	"6850617".pn. and compar\$7	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:15
S34	0	"6850617".pn. and adaptiv\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:16
S35	90	(VAD or (voic\$4 near4 activit\$4)) and side\$4tone\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:17
S36	0	(VAD or (voic\$4 near4 activit\$4)) and side\$4tone\$4 and tranfer\$5 near3 function\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:19
S37	0	(VAD or (voic\$4 near4 activit\$4)) and tranfer\$5 near3 function\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:18
S38	0	side\$4tone\$4 and tranfer\$5 near3 function\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:19
S39	71	tranfer\$5 near3 function\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:19
S40	13	(VAD or (voic\$4 near4 activit\$4)) and side\$4tone\$4 and transfer\$5 near3 function\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:20
S41	4	(VAD or (voic\$4 near4 activit\$4)) and side\$4tone\$4 and transfer\$5 near3 function\$4 and mask\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:21

S42	4	(VAD or (voic\$4 near4 activit\$4)) and side \$4tone\$4 and transfer \$5 near3 function\$4 and (STMR or mask\$4)	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:25
S43	4	(VAD or (voic\$4 near4 activit\$4)) and side \$4tone\$4 and transfer \$5 near3 function\$4 and (STMR or mask\$4) and gain\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:42
S44	0	(VAD or (voic\$4 near4 activit\$4)) and side \$4tone\$4 and transfer \$5 near3 function\$4 and (STMR or mask\$4) and gain\$4 with reduc \$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:25
S45	1	"6389111".pn. and (estim\$4 actual\$4 expect\$5)	US-PGPUB; USPAT	OR	OFF	2007/05/22 16:47
S46	1	"6850617".pn. and level \$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 17:44
S47	1	"6850617".pn. and constant\$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 17:45
S48	0	"6850617".pn. and constant\$4 and release \$4	US-PGPUB; USPAT	OR	OFF	2007/05/22 17:45
S49	19	averag\$4 near2 (nois\$4 energ\$4) with (speech \$4 voic\$4) near2 absen \$5	US-PGPUB; USPAT	OR	OFF	2008/04/04 08:40
S50	9	averag\$4 near2 (nois\$4 energ\$4) with (speech \$4 voic\$4) near2 absen \$5 and attenuation\$4	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:15
S51	0	averag\$4 near2 (nois\$4 energ\$4) with (speech \$4 voic\$4) near2 absen \$5 and attenuation\$4 and sideton\$5	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:15
S52	0	averag\$4 near2 (nois\$4 energ\$4) with (speech \$4 voic\$4) near2 absen \$5 and attenuation\$4 and sideton\$3	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:15

S53	0	averag\$4 near2 (nois\$4 energ\$4) with (speech\$4 voic\$4) near2 absen\$5 and sideton\$3	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:16
S54	0	averag\$4 near2 (nois\$4 energ\$4) with (speech\$4 voic\$4) near2 absen\$5 and side\$2ton\$3	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:16
S55	45	(threshold\$4 toleranc\$4) same side\$4ton\$4	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:19
S56	10	(threshold\$4 toleranc\$4) same side\$4ton\$4 and (speech\$4 voic\$4) near activit\$4	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:19
S57	10	(threshold\$4 toleranc\$4) same side\$4ton\$4 and (speech\$4 voic\$4) near activit\$4 and side\$4ton\$4	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:31
S58	1	(threshold\$4 toleranc\$4) same side\$4ton\$4 and (speech\$4 voic\$4) near activit\$4 and averag\$4	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:37
S59	15529	((((speech\$4 voic\$4) near activit\$4) or VAD\$3)	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:41
S60	257	((((speech\$4 voic\$4) near activit\$4) or VAD\$3) near3 (threshold\$4 toleranc\$4)	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:42
S61	1	((((speech\$4 voic\$4) near activit\$4) or VAD\$3) near3 (threshold\$4 toleranc\$4) same side\$4ton\$4	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:42
S62	33	((((speech\$4 voic\$4) near activit\$4) or VAD\$3) near3 (threshold\$4 toleranc\$4) and side\$4ton\$4	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:42
S63	6	((((speech\$4 voic\$4) near activit\$4) or VAD\$3) and (threshold\$4 toleranc\$4) with side\$4ton\$4	US-PGPUB; USPAT	OR	OFF	2008/04/04 09:59

S64	11	((speech\$4 voic\$4) near activit\$4) or VAD \$3) and (threshold\$4 toleran\$4) same side \$4ton\$4	US- PGPUB; USPAT	OR	OFF	2008/04/04 10:00
S65	1	"20020090078".did.	US- PGPUB; USPAT	OR	OFF	2008/10/19 17:55
S66	1	"20020090078".did. and threshold\$4	US- PGPUB; USPAT	OR	OFF	2008/10/19 17:55
S67	0	"20020090078".did. and confiden\$5	US- PGPUB; USPAT	OR	OFF	2008/10/19 17:55
S68	1	side\$4ton\$4 same ((threshold\$4 confiden \$4) near2 ((voic\$4 speech\$4) near2 activit \$4))	US- PGPUB; USPAT	OR	OFF	2008/10/19 18:05
S69	5	attenuat\$6 with side \$4ton\$4 same (threshold \$4 confiden\$4)	US- PGPUB; USPAT	OR	OFF	2008/10/19 18:36
S70	2	("20020090078".did. or "6850617".pn.) and attenuat\$5	US- PGPUB; USPAT	OR	OFF	2008/10/19 18:41
S71	0	("20020090078".did. or "6850617".pn.) and adaptiv\$4	US- PGPUB; USPAT	OR	OFF	2008/10/19 19:16
S72	8	adaptiv\$4 near3 side \$4tone\$4	US- PGPUB; USPAT	OR	OFF	2008/10/19 19:16
S73	2	adaptiv\$4 near3 side \$4tone\$4 and (threshold \$4 confiden\$4)	US- PGPUB; USPAT	OR	OFF	2008/10/19 19:19
S74	0	generat\$4 with (threshold\$4 confiden \$4) same ((voic\$4 speech\$4) near3 activit)	US- PGPUB; USPAT	OR	OFF	2008/10/19 19:34
S75	35	generat\$4 with (threshold\$4 confiden \$4) same ((voic\$4 speech\$4) near3 activit \$5)	US- PGPUB; USPAT	OR	OFF	2008/10/19 19:34
S76	1	generat\$4 with (threshold\$4 confiden \$4) same ((voic\$4 speech\$4) near3 activit \$5) and sideton\$4	US- PGPUB; USPAT	OR	OFF	2008/10/19 19:34

S77	1	"20020090078".did.	US- PGPUB; USPAT	OR	OFF	2008/10/19 21:22
S78	1	"20020090078".did. and threshold\$4	US- PGPUB; USPAT	OR	OFF	2008/10/19 21:22
S79	1	"20020090078".did. and (threshold\$4 confiden \$5)	US- PGPUB; USPAT	OR	OFF	2008/10/19 21:23
S80	1	"6850617".pn.	US- PGPUB; USPAT	OR	OFF	2008/10/19 21:30
S81	1	"6850617".pn. and threshold\$4	US- PGPUB; USPAT	OR	OFF	2008/10/19 21:30
S82	9	(VAD or (voic\$4 near4 activit\$4)) same side \$4tone\$4	US- PGPUB; USPAT	OR	OFF	2009/01/06 16:07
S83	3	(voic\$4 speech\$4) near2 (threshold\$4 confiden\$5) same side \$4tone\$4	US- PGPUB; USPAT	OR	OFF	2009/01/06 16:10
S84	3	(voic\$4 speech\$4) near4 (threshold\$4 confiden\$5) same side \$4tone\$4	US- PGPUB; USPAT	OR	OFF	2009/01/06 16:10
S85	1	(voic\$4 speech\$4) near4 (threshold\$4 confiden\$5) same side \$4tone\$4 and generat \$6 near4 threshold\$4	US- PGPUB; USPAT	OR	OFF	2009/01/06 16:28
S86	21810	generat\$4 near2 (threshold\$4 confiden \$6)	US- PGPUB; USPAT	OR	OFF	2009/01/06 16:32
S87	0	generat\$4 near2 (threshold\$4 confiden \$6) with side\$4ton\$4	US- PGPUB; USPAT	OR	OFF	2009/01/06 16:32
S88	0	generat\$4 near2 (threshold\$4 confiden \$6) same side\$4ton\$4	US- PGPUB; USPAT	OR	OFF	2009/01/06 16:37
S89	9	generat\$4 near2 (threshold\$4 confiden \$6) and side\$4ton\$4	US- PGPUB; USPAT	OR	OFF	2009/01/06 16:37
S90	1	"20040174989".did.	US- PGPUB; USPAT	OR	OFF	2009/01/06 17:20



S91	1	"20040174989".did. and attenuat\$4	US- PGPUB; USPAT	OR	OFF	2009/01/06 17:20
S92	1	"20040174989".did. and attenuat\$4 same side \$5ton\$4	US- PGPUB; USPAT	OR	OFF	2009/01/06 17:20
S93	8	("7376123" "7359504" "7676248" "7738434" "4799165" "6959405" "7281173" "7752508"). pn.	US- PGPUB; USPAT	OR	OFF	2010/07/08 11:08
S94	0	("7376123" "7359504" "7676248" "7738434" "4799165" "6959405" "7281173" "7752508"). pn. and side\$4tone\$4	US- PGPUB; USPAT	OR	OFF	2010/07/08 11:08
S95	294	side\$4ton\$4 with (voice \$4 speech\$4)	US- PGPUB; USPAT	OR	OFF	2010/07/08 11:15
S96	6	side\$4ton\$4 with (voice \$4 speech\$4) with (silen \$4 pause\$4 quiet\$4)	US- PGPUB; USPAT	OR	OFF	2010/07/08 11:15
S97	0	side\$4ton\$4 with (voice \$4 speech\$4) with (silen \$4 pause\$4 quiet\$4) same (threshold\$4 toleran\$4 confiden\$4)	US- PGPUB; USPAT	OR	OFF	2010/07/08 11:17

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